



## PATENT ABSTRACTS OF JAPAN

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**IWANO HIDEAKI**(54) **VERTEBRAL IMPLANT**

## (57) Abstract:

**PROBLEM TO BE SOLVED:** To reduce time required for vertebral arch plastic operation of a spine, by providing a fixing means to fix a plate to be placed so as to bridge a bone prosthesis mounted between an ablated part or a cut-up part of an ablated part of a vertebral arch part of the vertebra and the bone prosthesis on the plate.

**SOLUTION:** When this vertebral implant is to be mounted on a cervical vertebra 1, a bone prosthesis 11 is mounted on an ablation part 6 from which a vertebral arch is ablated and a plate 12 is placed to bridge the ablated part 6 of the cervical vertebra 1 by inserting a screw 13 into a hole in the plate 12, and a lock nut 13a is screwed with a screw 13 of the bone prosthesis 11 protruded from the plate 12 to complete the mounting. In this case, pins 15, 15 protruded from the bone prosthesis 11 are engaged with the ablated part 6 of

the cervical vertebra 1 to retain the prosthesis 11 on a prescribed position on the cervical vertebra 1, and an engaging part 16 equipped on the plate 12 is engaged with the cervical vertebra 1 to fix the prosthesis 11 on the prescribed position without slipping.

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